

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A stack, comprising:
an impermeable metal structure,
at least one first metal fiber layer, and
at least one second metal fiber layer,
~~said impermeable metal structure being sintered to one side of said first metal fiber~~
~~fibers layer being sintered to a first side of said impermeable metal structure,~~
said second metal ~~fibers~~ fiber layer being sintered to another ~~the other~~ side of said first
metal ~~fiber~~ fibers layer opposite to the impermeable metal structure,
wherein a ~~characterized in that the~~ planar air permeability of said stack is ~~is~~ [[being]]
more than 0.02 l/min*cm,
wherein a ~~the~~ porosity of said second metal fiber layer is ~~is~~ [[being]] less than 80%.
2. (Currently Amended) A stack as in claim 1, said stack further comprising another first
metal fiber layer sintered to a second side of said impermeable metal structure and another
second metal fiber layer sintered to the another first metal fiber layer on a side opposite to the
impermeable metal structure ~~two first metal fiber layers and two second metal fiber layers,~~
~~said first metal fiber layers being sintered each to one side of the impermeable metal~~
~~structure, said second metal fiber layers being sintered to the other sides of said first metal~~
~~fiber layers.~~
3. (Currently Amended) A stack as in claim 1, said first metal fiber layer ~~layers~~ having a
porosity of more than 80%.
4. (Currently Amended) A stack as in claim 1, said second metal fiber layer ~~layers~~ having a
perpendicular air permeability of less than 200 l/min*dm².
5. (Currently Amended) A stack as in claim 1, said first metal fiber layer ~~layers~~ comprising
fibers with equivalent diameter of more than 20μm.

6. (Currently Amended) A stack as in claim 1, said second metal fiber layer ~~fibers layers~~ comprising fibers with equivalent diameter of less than $30\mu\text{m}$.
7. (Currently Amended) A stack as in claim 1, said first metal fiber layer ~~layers~~ having a thickness of more than 0.5mm.
8. (Currently Amended) A stack as in claim 1, said second metal fiber layer ~~layers~~ having a thickness of less than 0.2mm.
9. (Previously Presented) A stack as in claim 1, said stack having a transversal electric resistance less than 30×10^{-3} Ohm.
10. (Previously Presented) A stack as in claim 1, said impermeable metal structure being a metal plate.
11. (Previously Presented) A stack as in claim 1, said impermeable metal structure being a metal foil.
12. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being stainless steel fibers.
13. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being Ni-fibers or Ni alloy fibers.
14. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are said metal fibers being Ti-fibers.
15. (Currently Amended) A stack as in claim 1, wherein metal fibers of the first and second metal fiber layers are a said metal fibers having the same alloy of said impermeable metal structure.
16. (Currently Amended) A fuel cell, comprising a plurality of stacks as in claim 1.
17. (Currently Amended) An electrolyser, comprising a plurality of stacks as in claim 1.
18. (Canceled)

19. (New) A stack as in claim 1, wherein a porosity of the first metal fiber layer is greater than the porosity of the second metal fiber layer.

20. (New) A stack as in claim 19, wherein the porosity of the first metal fiber layer is more than 10% greater than the porosity of the second metal fiber layer.